

Week 1: Introduction

CS 203: Front-end Development

Web Technology Fundamentals

Introduction to the WEB:

- Understanding how the web works.
- Working with clients and servers.
- The DNS and why it matters.
- Internet protocols
- Exploring HTTP.
- Anatomy of a URL.
- How browsers work?
- Web standards and the W3C.
- Web server basics.

Front-End Technologies

- Front-End design
- HTML, the language of the web
- Structure HTML
- Controlling presentation through CSS
- Client-side scripting with JavaScript
- Common image types
- What is an API
- HTML5 APIs
- Web fonts

Back–End Technologies

- Server–side scripting
- The importance of Java (server-side programming)
- Other popular server languages
- Dealing with data Using SQL databases
- Content management systems
- Content delivery networks
- Cloud services
- What is GitHub?

Assembly Technologies

- JavaScript libraries
- Frameworks and boilerplates
- CSS preprocessors

HTML

HTML Basics

- HTML5 Intro
 - Evolution of HTML
 - How it works
 - Looking Browser Options & Editors
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HTML Tags

- The Document Object Model (DOM)
- HTML5 Tags and Syntax
- Semantic Tags
- Template Page
- Images - Hyperlinks - Multimedia
- Tables - Useful Tags